

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A recording apparatus for recording to a recording medium AV data containing at least one of audio data and video data, and recovery data for restoring management information for the AV data when AV data recording ~~did~~does not end normally, the apparatus comprising:

means for generating recovery data for each constant or variable period;

means for generating AV data; and

a recording means for interleaving recording the recovery data with the AV data, and recording the interleaved ~~while interleaving the recovery data with~~ and the AV data on the recording medium during AV data recording.

2. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains recording address information for the recorded AV data.

3. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains file management information for the recorded AV data.

4. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains playback time information for the recorded AV data.

5. **(Original)** A recording apparatus as described in claim 1, wherein the AV data is MPEG-encoded data, and the recovery data contains a start address for an I-picture in the recorded AV data.

6. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains a serial number or time information.

7. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains address information for previously recorded recovery data.
8. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains difference information from previously recorded recovery data.
9. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains information acquired for previously recorded recovery data.
10. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains address information for recovery data recorded next.
11. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data contains identification information for identifying recovery data.
12. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data is interleaved with AV data units of a specific size.
13. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data is interleaved with AV data units of a specific recording time.
14. **(Original)** A recording apparatus as described in claim 1, wherein the recovery data is interleaved every specific recording unit of AV data.
15. **(Original)** A recording apparatus as described in claim 1, further comprising means for storing in a predefined location recovery data address information denoting an address of the recovery data.

16. **(Original)** A recording apparatus as described in claim 15, wherein the predefined location is a location provided on the recording medium.
17. **(Original)** A recording apparatus as described in claim 16, wherein the location provided on the recording medium is a specified location on the recording medium comprising one or multiple banks.
18. **(Original)** A recording apparatus as described in claim 16, wherein the location provided on the recording medium is one or multiple specific files on the recording medium.
19. **(Original)** A recording apparatus as described in claim 15, wherein a recording member separate from the recording medium is provided, and the predefined location is a location provided in the recording member.
20. **(Original)** A recording apparatus as described in claim 19, wherein the recording member is removably disposed.
21. **(Original)** A recording apparatus as described in claim 15, wherein the recovery data address information is a serial number or time information for the recovery data.
22. **(Currently Amended)** A recording method for recording to a recording medium AV data containing at least one of audio data and video data, and recovery data for restoring management information for the AV data when AV data recording ~~did~~ does not end normally, the method comprising steps of:
generating recovery data for each constant or variable period;
generating AV data; and
interleaving the recovery data with the AV data; and
recording the interleaved recovery data ~~while interleaving the recovery data with~~ and the

AV data on the recording medium during AV data recording.

23. **(Original)** A recording method as described in claim 22, wherein the recovery data contains recording address information for the recorded AV data.
24. **(Original)** A recording method as described in claim 22, wherein the recovery data contains file management information for the recorded AV data.
25. **(Original)** A recording method as described in claim 22, wherein the recovery data contains playback time information for the recorded AV data.
26. **(Original)** A recording method as described in claim 22, wherein the AV data is MPEG-encoded data, and the recovery data contains a start address for an I-picture in the recorded AV data.
27. **(Original)** A recording method as described in claim 22, wherein the recovery data contains a serial number or time information.
28. **(Original)** A recording method as described in claim 22, wherein the recovery data contains address information for previously recorded recovery data.
29. **(Original)** A recording method as described in claim 22, wherein the recovery data difference information from previously recorded recovery data.
30. **(Original)** A recording method as described in claim 22, wherein the recovery data contains information acquired for previously recorded recovery data.
31. **(Original)** A recording method as described in claim 22, wherein the recovery data

contains address information for recovery data recorded next.

- 32. **(Original)** A recording method as described in claim 22, wherein the recovery data contains identification information for identifying recovery data.
- 33. **(Original)** A recording method as described in claim 22, wherein the recovery data is interleaved with AV data units of a specific size.
- 34. **(Original)** A recording method as described in claim 22, wherein the recovery data is interleaved with AV data units of a specific recording time.
- 35. **(Original)** A recording method as described in claim 22, wherein the recovery data is interleaved every specific recording unit of AV data.
- 36. **(Original)** A recording method as described in claim 22, comprising a step of storing in a predefined location recovery data address information denoting an address of the recovery data.
- 37. **(Original)** A recording method as described in claim 36, wherein the predefined location is a location provided on the recording medium.
- 38. **(Original)** A recording method as described in claim 37, wherein the location provided on the recording medium is a specified location on the recording medium comprising one or multiple banks.
- 39. **(Original)** A recording method as described in claim 37, wherein the location provided on the recording medium is one or multiple specific files on the recording medium.
- 40. **(Original)** A recording method as described in claim 36, wherein the predefined location

is a location provided in a recording member separate from the recording medium.

41. **(Original)** A recording method as described in claim 40, wherein the recording member is removably disposed.

42. **(Original)** A recording method as described in claim 36, wherein the recovery data address information is a serial number or time information for the recovery data.